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1. A method of transporting bifurcated voice and signaling data over a network, comprising the steps of:
 - identifying, for each communication link to be established, respective signaling data and voice data; and
 - transmitting said signaling data via a first medium and said voice data via a second medium.
2. The method of claim 1, wherein said first medium is a wireless network.
3. The method of claim 1, wherein said second medium is a data packet network medium.
4. The method of claim 1, further comprising the steps of:
 - communicating said signaling data to a switch.
5. The method of claim 1, further comprising:
 - communicating said voice data to a switch.
6. The method of claim 3, wherein said voice data is subject to compression processing compatible with a wireless network.
7. The method of claim 5, wherein said step of communicating is made via a base station system.
8. The method of claim 5, wherein said step of communicating is made via a packet/circuit switch.
9. The method of claim 1, wherein said steps of identifying and transmitting are performed via a Media Terminal Adapter-Cellular Transceiver (MTA-CT) having integrated MTA and CT portions.

10. The method of claim 1, wherein said steps of identifying and transmitting are performed via a Media Terminal Adapter-Cellular Transceiver (MTA-CT) having non-integrated MTA and CT
5 portions.

11. In a communication system for transporting bifurcated voice and signaling traffic over a network, a method comprising the steps of:

10 segregating signaling traffic and related voice traffic including information useful in establishing a communications link for transporting said voice traffic between a calling party and a called party; and

transmitting said voice traffic via said communications
15 link established by a controller, said voice traffic and said signaling traffic being carried via different communication channels.

12. The method of claim 11, wherein one of said communication
20 channels is a data packet network.

13. The method of claim 12, wherein said voice traffic is carried by said data packet network.

25 14. The method of claim 13, wherein said voice traffic is subject to compression processing compatible with a wireless network.

30 15. The method of claim 11, wherein one of said second communication channels is a wireless network

16. The method of claim 15 wherein said signaling traffic is carried by said wireless network.

24. The method of claim 23, wherein said first medium is a wireless network.

25. The method of claim 24, wherein signaling data is
5 transmitted over said wireless network.

26. The method of claim 23, wherein said second medium is a data packet network.

10 27. The method of claim 26, wherein voice data is communicated over said data packet network.

28. The method of claim 27, wherein said voice data is subject to compression processing compatible with a wireless network.

15 29. The method of claim 23 further comprising the step of:
switching the voice data to the same medium as the signaling data when loss of local power is detected.

20 30. The method of claim 23, wherein said steps of identifying and said first and second steps of establishing are performed via a Media Terminal Adapter-Cellular Transceiver (MTA-CT) having integrated MTA and CT portions.

25 31. The method of claim 23, wherein said steps of identifying and said first and second steps of establishing are performed via a Media Terminal Adapter-Cellular Transceiver (MTA-CT) having non-integrated MTA and CT portions.

30 32. A communications system comprising:
a device for providing bifurcated voice and signaling traffic over a network; and
a packet/circuit switch for converting data packets to circuit switched traffic.

33. The communications system of claim 32, wherein said device is a Media Terminal Adapter-Cellular Transceiver (MTA-CT) having non-integrated MTA and CT portions.

5 34. The communications system of claim 32, wherein said device is a Media Terminal Adapter-Cellular Transceiver (MTA-CT) having integrated MTA and CT portions.

10 35. A computer readable medium storing a software program, that when executed by a computer, causes the computer to perform a method comprising:

15 segregating signaling traffic and related voice traffic including information useful in establishing a communications link for transporting said voice traffic between a calling party and called party; and

transmitting said voice traffic via said communications link established by a controller, said voice traffic and said signaling traffic being carried via different communication channels.

20 36. The computer readable medium of claim 35, wherein said controller is a switch.

25 37. The computer readable medium of claim 35, wherein said signaling traffic is communicated via a wireless network.

38. The computer readable medium of claim 35, wherein said voice traffic is communicated via a data packet network.

30 39. The computer readable medium of claim 38, wherein said voice traffic is subject to compression processing compatible with a wireless network.

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